Applicant: Stephen J. Russell et al.

Serial No.: 09/668,196

Filed: September 22, 2000

Page: 2

4. (Amended) The method of claim 3, wherein said attenuated measles virus is injected directly into said tumor.

Attorney's Docket No.: 07039-293001

- 5. (Amended) The method of claim 4, wherein said attenuated measles virus is provided in a formulation comprising an excipient.
- 6. (Amended) The method of claim 5, wherein said attenuated measles virus formulation is provided continuously to said mammal.
- 7. (Amended) The method of claim 5, wherein said attenuated measles virus formulation is provided in pulses to said mammal.
- 9. (Amended) The method of claim 1, wherein said attenuated measles virus is administered systemically to said mammal.
 - 11. (Amended) The method of claim 1, wherein said attenuated measles virus is administered at a dose greater than about 10³ pfu.
 - 12. (Amended) The method of claim 11, wherein said dose is about 10⁵ pfus.
 - 13. (Amended) The method of claim 11, wherein said dose is about 10⁶ pfus.
 - 14. (Amended) The method of claim 11, wherein said dose is about 10⁷ pfus.
 - 15. (Amended) The method of claim 11, wherein said dose is about 10⁸ pfus.
 - 16. (Amended) The method of claim 1, wherein said attenuated measles virus is provided in a composition further comprising attenuated mumps virus and attenuated rubella virus.

A 3

Applicant: Stephen J. Russell et al.

Serial No.: 09/668,196

Filed: September 22, 2000

Page: 3

17. (Amended) The method of claim 1, wherein said attenuated measles virus is provided in a composition further comprising attenuated rubella virus.

Attorney's Docket No.: 07039-293001

- 18. (Amended) The method of claim 1, wherein said attenuated measles virus is genetically modified to express a marker polypeptide, and wherein expression of said marker polypeptide correlates with replication of said attenuated measles virus.
- 20. (Amended) The method of claim 1, wherein said cancer cells are selected from the group consisting of melanoma cells, carcinoma cells, glioma cells, and myeloma cells.
 - 21. (Amended) The method of claim 20, wherein said cancer cells are myeloma cells.
- 22. (Amended) The method of claim 21, wherein said myeloma cells are Non-Hodgkin's Lymphoma cells.
- 28. (Amended) The method of claim 1, wherein said attenuated virus is selected from the group consisting of the Edmonston Zagreb measles strain, the Edmonston-Enders strain, the Moraten strain, and the Moraten Berna strain.
- 29. (Amended) The method of claim 1, wherein said attenuated virus comprises a strain obtained after serial passage of either the Moraten strain or the Moraten Berna strain on non-human cells.
- 30. (Amended) The method of claim 1, wherein said attenuated virus comprises a strain obtained after serial passage of the Edmonston strain, the Edmonston Zagreb strain, or the Edmonston Enders strain on non-human cells.

Please add claim 33 as follows:



C=333. The method of claim 11, wherein said dose is about 10¹² pfu[=]